

# **Specifications**

100, 110, 117, 125, 220 or 240 volts ( Voltage selector provided in the set ) AC 50 or 60 c/s ! convertible, see Page 5 ) Power Requirement:

Instantaneous selection 7-1/2 ips or 3-3/4 ips (19 or 9.5 cm/s) Tape Speeds:

Tracks: Dual

Up to 7''Reel Size:

50~13,000 c/s at 7-1/2 ips Frequency Response:

 $50\sim 8,000$  c/s at 3-3/4 ips Less than 0.2% RMS at 7-1/2 ips Flutter and Wow:

Approx. 55 Kc Bias Frequency:

Low impedance Microphone Input ...(1) Inputs: High impedance Auxiliary Input .....(1) High impedance Monitor Output .....(1) Outputs:

 $8\,\Omega$  External Speaker Output ......(1)  $6'' \times 4''$  (15 $\times$ 10 cm) dynamic,  $8\,\Omega$ Speaker:

Power Output: Maximum 2 watts

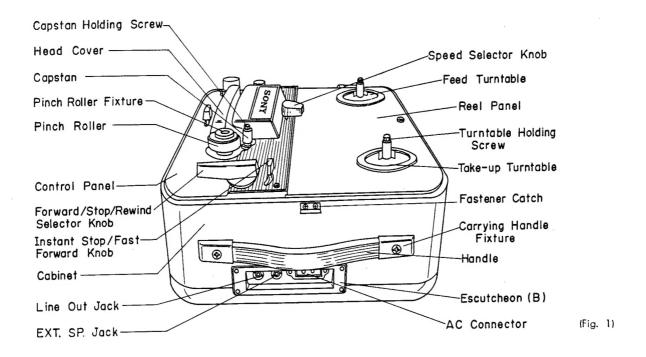
45 minutes per track, 1.5 hours total at 7-1/2 ips 1.5 hours per track, 3 hours total at 3-3/4 ips Recording Time: (with 1800' Tape) 6AU6 ( ×1), 6AR5 ( ×1), 5MK9 ( ×1) Tube Complement:

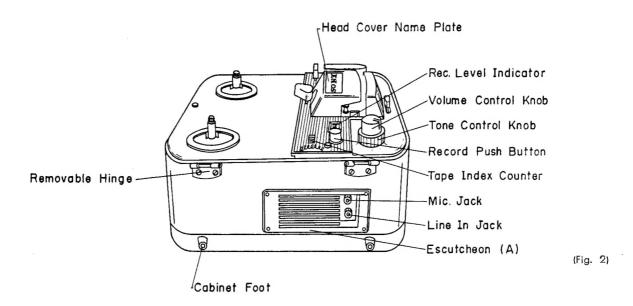
2SC318 ("×1) Transistor:

13.4" W×10.4" D×7.5" H Dimensions: (340 W $\times$ 265 D $\times$ 190 H mm) Weight: Approx. 18.3 lbs. (8.3 Kg)

(without accessories)

SONY® SERVICING GUIDE



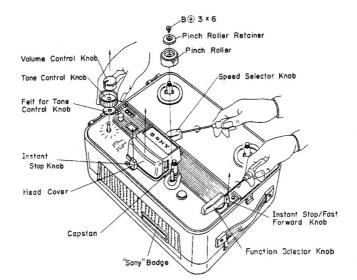


#### Removal of Panels

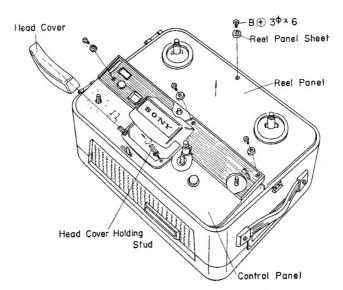
- Remove Head Cover (without "SONY" on it), Volume Control Knob, Tone Control Knob, Felt for Tone Control
  Knob, Instant Stop Knob and Fast Forward Knob by pulling straight up as shown in Fig. 3.
- 2. Remove Speed Selector Knob and Function Selector Knob with 2 mm screw driver.
- 3. Remove Pinch Roller Holding Screw with 3 mm Phillips screw driver, and take off Pinch Roller Retainer and Pinch Roller.
- 4. Loosen and remove three screws holding control panel, and one screw on Reel Panel as shown in Fig. 4).

## Removal of Cabinet

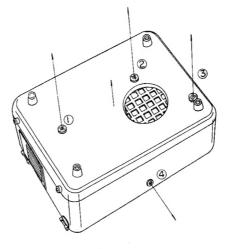
- 1. Turn over the recorder upside down on a soft pad.
- 2. Loosen and remove three securing screws (1), 2 & 3 in Fig. 5) on the bottom of the Cabinet and one securing screw 4 in Fig. 5) on the back side.
- 3. Remove the set by holding up the Cabinet gently and carefully.
- 4. Unsolder the Speaker lead wires with a soldering iron.



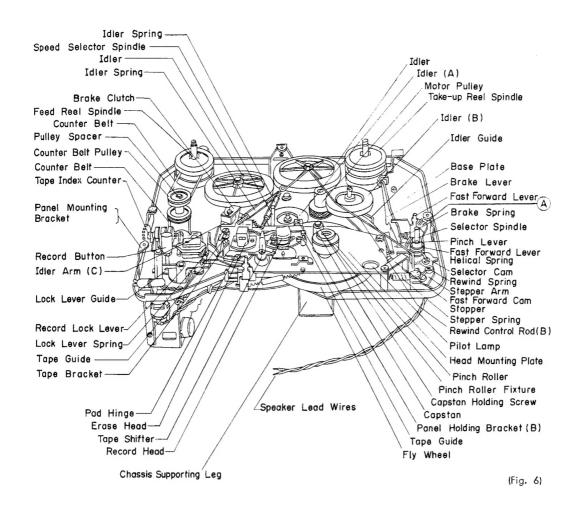
(Fig. 3)

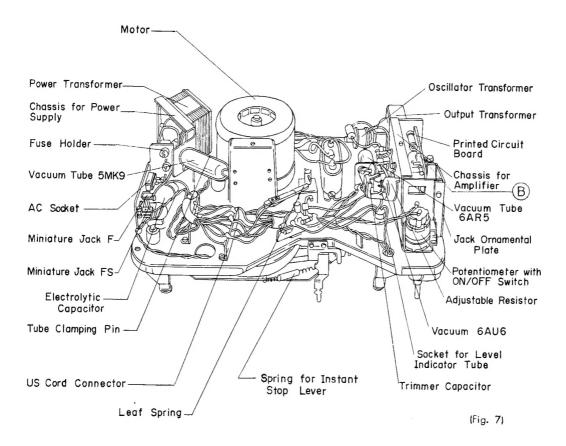


(Fig. 4)



(Fig. 5)





### Alignment Procedure

The alignment is to be performed at a tape speed of 7-1/2 ips unless otherwise specified.

#### A. Azimuth Alignment

- 1. Connect an 8  $\Omega$  load resistor in parallel with a VTVM terminals and connect the VTVM to the Speaker Output Jack (J<sub>4</sub>).
- 2. Place the recorder in play mode. Set the Volume Control at "7" to "8" on the scale.
- 3. Playback the 7,000 c/s tone recorded on the SONY alignment tape "B-19-A1".
- 4. Adjust the azimuth alignment screw located on the right side of the Rec/PB Head to obtain the maximum reading on the VTVM.

#### B. Bias Trap Adjustment

- 1. Connect plus  $\bigoplus$  lead of VTVM to one terminal of Trap Coil which is soldered on the Printed Circuit Board, and the minus  $\bigoplus$  lead to Chassis ground.
- 2. Place the recorder in record mode without input signal.
- 3. Adjust core of the Trap Coil to obtain the minimum reading on the VTVM.

#### C. Recording Bias Adjustment

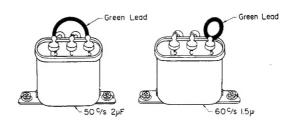
- 1. Place the recorder in record mode.
- 2. Connect a VTVM across the winding of the Rec/PB Head.
- 3. Adjust the Potentiometer  $(VR_4)$  so that the VTVM reads approx. 35 V

#### D. Recording Level Adjustment

- 1. Connect a VTVM to  $J_3$  (Monitor Jack).
- 2. Stop the Bias Oscillation by shortcircuiting the Muting Switch (SW<sub>4</sub>) (marked with A in Fig. 6) with a clip.
- 3. Place the recorder in record mode.
- 4. Feed 1,000 c/s signal of -60 dBs (0.775 mV) through  $J_2$  (MIC Jack) and adjust Volume Control (VR<sub>1</sub>) so that the VTVM indicates -8dBs (300 mV).
- 5. Adjust the potentiometer ( $VR_3$ , marked with B in Fig. 7) so that the pointer of Level Meter is just on the boundary between red portion and black portion while monitoring output as read on the VTVM is kept at -8dBs (300 mV) by re-adjustment of  $VR_1$  if necessary.

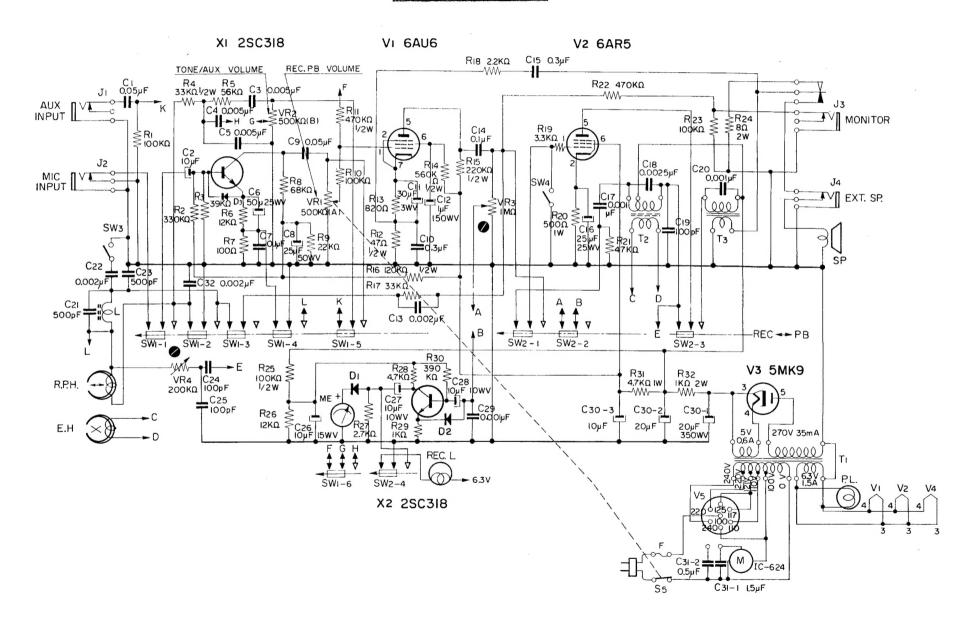
## Modification to different power line frequency

		For 50 c/s	For 60 c/s
1.	Connection between two terminals of the metal cased capacitor (MP, $C_{31}$ )	Connected (2µF)	Disconnected (1.5 $\mu$ F)
2.	Capstan	(N10) 0-041-012-03	(N11) 0-041-227-04
3.	Pinch Roller	(P4) 0-027-476-01	(P5) 0-027-477-01



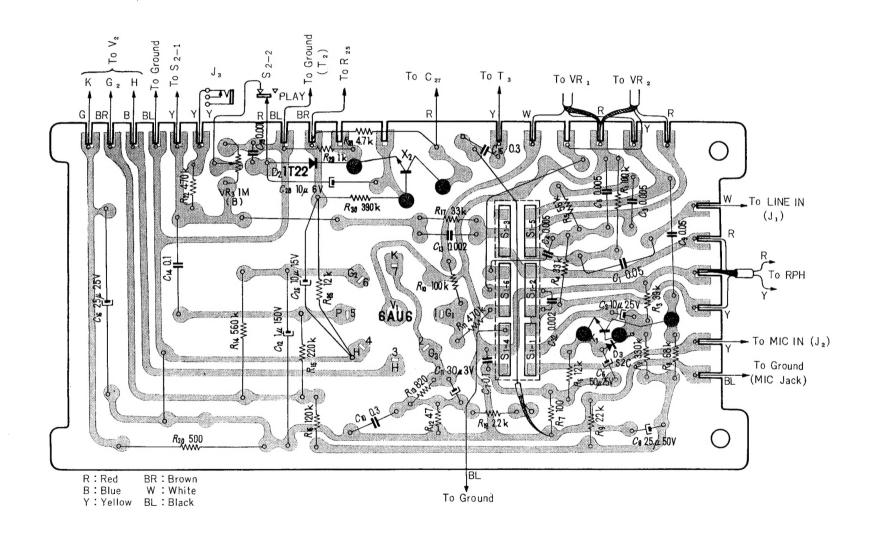
(Fig. 8)

# Schematic Diagram



## Mounting Diagram

## -Printed Side-



7 —

#### I. ELECTRICAL PARTS

Symbol No.	Description	Q'ty	Remarks	Symbol No.	Description	Q'ty	Remarks
				R <sub>12</sub>	Composition 47 $\Omega$ RC1/2 $\pm 10\%$	1	
	E. Electrical Parts (General)			R <sub>13</sub>	Carbon 820 $\Omega$ RD $\frac{1}{4}$ L $\pm 5\%$	1	
E1	Printed Circuit Board	1	A8	R <sub>14</sub>	Composition 560 K $\Omega$ RC $\frac{1}{2}$ $\pm 20\%$	1	
E2	Lamp Socket	2		R <sub>15</sub>	// 220 K Ω // //	1	
E3	Fuse Holder	1		R <sub>16</sub>	" 120 KΩ " $\pm$ 10%	1	
E4	Vacuum Tube Socket	1		R <sub>17</sub>	Carbon 33 K $\Omega$ RD $^{1}/_{4}$ L $\pm 5\%$	1	
E5	" " "	2		R <sub>18</sub>	// 2.2K Ω // //	1	
E6	Crank Pin	2		R <sub>19</sub>	// 3.3K Ω // //	1	
E <b>7</b>	Terminal Strip 11-5P	1		R <sub>20</sub>	// 500 Ω RD1L //	1	
E8	// // 2L-5P	3		R <sub>21</sub>	// 47 K Ω RD 1/4 L //	1	
E9	AC Socket	1		R <sub>22</sub>	// 470 KΩ // //	1	
E10	Terminal Strip 1L-2P	1		R <sub>23</sub>	// 100 K Ω // //	1	
	•			R <sub>24</sub>	$^{\prime\prime}$ 8 $\Omega$ RD2SP $\pm 5\%$	1	
	Transistor	1		R <sub>25</sub>	Composition 100 KΩ RC½ "	1	
X <sub>1</sub>	Transistor 2SC318-3			R <sub>26</sub>	Carbon 12 KΩ RD <sup>1</sup> / <sub>4</sub> L "	1	
X <sub>2</sub>	// 2SC318-2	1		R <sub>27</sub>	// 2.7K Ω // //	1	
٧1	Vacuum Tube 6AU6	1		R <sub>28</sub>	" 4.7KΩ " "	1	
$V_2$	// // 6AR5	1		R <sub>29</sub>	// 1ΚΩ // //	1	
V <sub>3</sub>	// // 5MK9	1		R <sub>30</sub>	" 390 KΩ " "	1	
$D_1$	Diode 1T206 (1T213)	1		R <sub>31</sub>	" 4.7K $\Omega$ RD1P $\pm 20\%$	1	
$D_2$	// 1T211	1		R <sub>32</sub>	" 1 K " ±5%	1	
D <sub>3</sub>	// \$2C	1		26		•	
RPH	Record/Playback Head PP18-28	1			Capacitor		
EH	Erase Head EF18-27	1		Cı	Mylar $0.05 \mu F 50WV \pm 10\%$ (MFL)	1	
T <sub>1</sub>	Power Transformer	1		C <sub>2</sub>	Electrolytic 10 µF 25WV	1	
T <sub>2</sub>	Bias OSC Transformer	1		C <sub>3</sub>	Mylar $0.005 \mu F$ 50WV $\pm 20\%$ (MFL)	i	
T <sub>3</sub>	Output Transformer	1		C <sub>4</sub>	" " " " " "	i	
L	Trap Coil 20 mH	1		C <sub>5</sub>	" " " " "	i	
$SW_1$	Record/Playback Switch 6P-2t	1		C <sub>6</sub>	Electrolytic 50 µF 25WV	i	
$SW_2$	// 4P-2t	1		06	Mylar 25777	•	
SW <sub>3</sub>	Rec. Equalizer Switch	2		C <sub>7</sub>	$0.1 \mu\text{F} 35\text{WV} \pm 30, 20\% \text{ (MFL)}$	1	
SW <sub>4</sub>	Muting Switch	2		C <sub>8</sub>	Electrolytic 25 µF 50WV	il	
SW <sub>5</sub>	Power Switch	1			Mylar 25 Al 30 VV	.	
$J_1$	Aux. Input Jack (MINI)	2		C <sub>9</sub>	$0.05 \mu F 50WV \pm 10\%$ (MFL)	1	
$J_2$	MIC Input Jack //	2		C <sub>10</sub>	$0.3\mu\text{F}$ 50WV $\pm 30, 20\%$ (")	1	
J <sub>3</sub>	Monitor Jack // (HS)	1		C <sub>10</sub>	Electrolytic 30 µF 3WV	1	
J <sub>4</sub>	Ext. Speaker Jack //	1		C <sub>12</sub>	" 1μF 150WV	1	
SP	Speaker	1		C <sub>12</sub>	Mylar $0.002\mu F 50WV \pm 10\%$ (MFL)		
PL	Pilot Lamp	2			Oil Paper 0.1 μF 400WV //	1	
ME	Level Meter	1		C <sub>14</sub>	1		
M	Motor IC-624	1		C <sub>15</sub>	Mylar 0.3 µF 50WV // (MFL)	1	
F	Fuse 1.5A	1		C <sub>16</sub>	Electrolytic 25 µF 25WV	1	
VS	AC Voltage Selector	1		C <sub>17</sub>	Oil Paper 0.001 μF 400WV ±10%	1	
	B 11			_	Polyethylene	,	
\/D	Resistor			C'8	$0.0025 \mu F 600WV \pm 10\%$	1	
VR <sub>1</sub> , 2	Volume Control (combination type)			C <sub>19</sub>	100PF 600WV ±20%	1	
VD	A500 K $\Omega$ +B500 K $\Omega$ w/switch	1		$C_{20}$	Oil Paper $0.001 \mu \text{F} 400 \text{WV} \pm 10\%$	1	
VR <sub>3</sub>	Adjustable Resistor 1 M $\Omega$	1		_	Polyethylene		
VR <sub>4</sub>	// // 200 ΚΩ	1		C <sub>21</sub>	500PF 250WV ±5%	1	
R <sub>1</sub>	Carbon 100 K $\Omega$ RD $\frac{1}{4}$ L $\pm 5\%$	1		C <sub>22</sub>	0.002 <sub>1</sub> / <sub>4</sub> F 100WV ±10%	1	
R <sub>2</sub>	// 330 K Ω // //	1		C <sub>23</sub>	Mica 500PF 500WV ±10%	1	
R <sub>3</sub>	" 39 KΩ " "	1		C <sub>24</sub>	Polyethylene 100PF 600WV $\pm 20\%$	1	
R <sub>4</sub>	Composition 33K $\Omega$ RC $\frac{1}{2}$ $\pm 10\%$	1		C <sub>25</sub>	" " " "	1	
R <sub>5</sub>	Carbon 56 K $\Omega$ RD $^{1}_{4}$ L $\pm 5\%$	1		C <sub>26</sub>	Electrolytic 10μF 15WV	1	
R <sub>6</sub>	// 12 KΩ // //	1		C <sub>27</sub>	// 10μF 10WV	1	
R <sub>7</sub>	Composition 100 $\Omega$ RC $\frac{1}{2}$ $\pm 10\%$	1		C <sub>28</sub>	// 10μF 10WV	1	
R <sub>8</sub>	Carbon $68 \mathrm{K}\Omega$ RD $\frac{1}{4}$ L $\pm 5\%$	1		C <sub>29</sub>	Mylar 0.001 $\mu$ F 50WV $\pm$ 20% (MFL)	1	
R <sub>9</sub>	// 22 Κ Ω // //	1		C <sub>30</sub>	Electrolytic $20+20+10\mu$ F $350WV$	1	
R <sub>10</sub>	// 100 KΩ // //	1		C <sub>31-1</sub> , 2	MP $1.5\mu$ F $+0.5\mu$ F $250WV \pm 10\%$	1	
R <sub>11</sub>	Composition 470 K $\Omega$ RC $\frac{1}{2}$ $\pm 10\%$	1		C <sub>32</sub>	Mylar $0.002\mu$ F $50WV \pm 10\%$	1	

## II. K. CABINET & APPEARANCE ITEM

Symbol No.	Description	Q'ty	Remarks	Symbol No.	Description	Q'ty	Remarks
K1	Cabinet Assembly	1		K13	Fiber Washer for Reel Panel	2	
K2	Specification Label	1		K14	Head Cover Mounting Screw Post (Left)	1	HII
К3	Indicating Plate for Control Panel	1		K15	Special Washer (B) (for Fixing the		
K4	Function Selector Knob Assembly	1			Deck to Cabinet)	4	
K5	Control Panel	1		K16	Felt for Function Selector Knob	1	
K6	Reel Panel	1		K17	Fast Forward Lever and Instant Stop		
K <b>7</b>	Head Cover Holding Pin	1			Lever Knob	2	
K8	Head Cover	1	НЗ	K18	Panel Spacer	4	
K9	Volume Control Knob	1		K19	Speed Selector Knob	1	
K10	Escutecheon for Input Jack	1		K20	Set Screw for Speed Selector Knob	1	
K11	# for Output Jack	1		K21	Stroboscope Disc	1	P9
K12	Woolen Paper C	2		K22	Felt for Reel Panel	1	

## III. MECHANICAL BLOCK

Symbol No.	Description	Q'ty	Remarks	Symbol No.	Description	Q'ty	Remarks
				G2	Base Plate Assembly	1	
	A. Amplifler Block			G3	Tape Counter Mounting Post	2	
A1	Amplifier Chassis Assembly	1		G4	Spacer for Pulley Shaft	1	
A2	Chassis for Power Supply	1		G5	Sleeve for Tape Counter Belt	1	
A3	Lead Wire Retainer	1		G6	Tape Counter Belt Pulley	2	
A4	Restoring Spring for Rec. Lever	1	U3	G <b>7</b>	Tape Counter Belt	2	
A5	Spring for Rec. Lever	1	U4	G8	Felt Washer for Panel	3	
A6	Microphone Jack Ornamental Plate (A)	1		G9	Woolen Paper (120 mm length)	2	
A <b>7</b>	// // // // (B)	1		G10	$4\phi$ Paper Washer for Counter Belt	2	
A8	Printed Circuit Board	1	El	G11	Cushion for Level Meter	1	
A9	Slide Switch Spacer	2		G12	Leaf Spring Holder	1	
A10	Cord Retainer	1		G13	Fast Forward Cam Stopper	1	
A11	Vacuum Tube Fixture	1		G14	Tape Counter	1	
A12	Miniature Jack Spacer	4		G15	Tape Counter Pulley Shaft	1	
A13	Vacuum Tube Retaining Spring	2		G16	MIC Jack Holding Bracket	1	
A14	Oscillation Transformer Holding Bracket	1		The second secon	H. Head Deck		
	B. Brake Mechanism			н	Head Base Plate	1	
В1	Instant Stop Arm Assembly	1		H2	Head Mounting Bracket	1	
B2	Instant Stop Lever Assembly	1		НЗ	Head Cover Holding Pin	1	K7
В3	Instant Stop Lever Guide	1		H4	Panel Mounter	1	
B <b>4</b>	Instant Stop Lever Spring	1		H5	Tape Pad Shifter	1	
B <b>5</b>	Rewind Spring for Instant Stop Lever	1		H6	Spacer for Erase Head	1	
B <b>6</b>	Brake Block	1		H <b>7</b>	Head Shield Plate for Erase Head	1	
B <b>7</b>	Brake Lever	1		H8	Tape Retainer	1	
В8	Brake Block Spring	1		Н9	Tape Guide (A)	1	
B9	Brake Felt	1		H10	Hinge Spring for Tape Pad	1	
810	Brake Spring	1		H11	Head Cover Holding Pin	1	K14
	Brake opring			H12	Tape Pad for Erase Head	1	
	F. Function Selector Mechanism			H13	Head Shield Plate for Rec./P.B. Head	1	
F1	Fast Forward Cam	1		H14	Head Adjustment Spring	1	
F2	Function Selector Cam Assembly	1		H15	Head Adjustment Screw	1	
F3	Stepper Arm Assembly	1		H16	Tape Guide (Right)	1	
F4	Function Selector Cam Shaft	1		H17	Tape Guide (Right) Spring	1	
F.5	Push Rod (A) for Function Selector Cam	1		H18	Tape Pad for Rec./P.B. Head	1	
F6	Stepper Arm Shaft	1					
F <b>7</b>	Rewind Spring for Function Selector Cam	1			L. Idler Mechanism		
F8	Setting Screw for Function Selector Cam			L1	Capstan Idler Assembly	1	
F9	Stepper Arm Spring	1		12	Idler Shaft (C) for Rewind Idler (Right)	1	
F10	Push Rod for Rewind	1		L3	Idler Plate for Take-up Idler	1	
F11	Restoring Spring for Fast Forward	1		L4	Take-up Idler Assembly	1	
	G. Deck			15	Rewind Idler Assembly	1	
G1	Leg Plate Assembly	1					

Symbol No.	Description	Q'ty	Remarks	Symbol No.	Description		Remark
L5-1	Tire	(2)		Q2	Take-up Reel Shaft	1	
15-2	ldler	(2)		Q3	Feed Spindle Deck	1	
16	Idler Arm (E) Assembly	1		Q4	Feed Reel Shaft	1	
17	Capstan Idler Arm	1		Q5	Feed Spindle Spacer	1	
18	Tone Control Knob	1		Q6	Spring for Rec. Push Button	1	
L9	Idler Pressure Spring	1		Q7	Friction Plate for Feed Reel Table	1	
110	Idler Guide Bracket	1		Q8	Feed Reel Table Assembly	1	
L11	Idler Shifting Arm Guide	2		Q9	Take-up Reel Table Assembly	1	
112	$5\phi$ Washer for Capstan Idler	2			,		
L13	Pull Rod for Idler Plate	1			S. Speed Selector Mechanism		
L14	Motor Pulley Set Screw	1		S1	Speed Selector Shaft Spring	1	
L1 <i>5</i>	Helical Spring (A) for Idler Plate	1		S2	Speed Selector Shaft	1	
L16	" (E) for Idler Plate A	1		S3	Taper Pin 2×20 (for Speed Selector)	2	
L17	Spring (H) for Idler Arm	li			rape, riii 2/20 (i.e. opera constitut,		
118	Oil Retainer for Take-up (Capstan)	'	l		U. Recording Mechanism		
110	Idler	2		UI	Recording Lever Assembly B	1	
119	Paper Washer for Take-up (Capstan)	2		U2	Record Lock Button Assembly	1	
117	Idler $5\phi$	2		U3	Restoring Spring for Rec. Lever	i	A4
L20	Paper Washer for Rewind Idler $6\phi$	3		U4	Spring for Rec. Lever	1	A5
L21	Idler Guide	1		U.5	Record Lock Lever	i	73
L22		2		U6	Lock Lever Guide	1	
122	Idler Spring	2		U7	Push Button Collar	1	
	M. Motor			U8			
MI		,		U9	Rec. Lock Lever Spring Record Lock Lever Shifter	1	P <b>7</b>
1411	Motor Pulley	1		U10	Recording Lever Assembly C	1	Γ/
	N. Capstan and Flywheel			010	,		
NI	Capstan Shaft Assembly	1	1		Z. Accessories & Miscellaneous		
N2	Capstan Bearing Retainer	1		Z1	Tack Label A	1	
N3	Capstan Bearing Dust Cover	1		Z2	// B	1 ,	
N4	Driver Shaft Bearing	1	****	Z3	Instruction Manual	1	
N5	Oil Retainer Cover (Paper Washer)	1		Z4	Inspection Card	1	
N6	Oil Absorber Felt for Flywheel	1		Z5	Microphone F96 (LM)	1	
N7	Oil Retainer (for Flywheel Shaft)	1		Z6	Recording Tape "Super 5"	1	
N8	Capstan Shaft	1		Z7	Reel R-5A	1	
N9	Capstan Screw	1		Z8	Connection Cord RK-36	1	
N10	Capstan A 50 c/s	1	Z15	Z9	Power Cord DK-14	1	
N11	Capstan B 60 c/s	1	Z16	Z10	SONY Oil OL-1K	1	
				Z11	Splicing Tape PS-2	1	
	P. Pinch Roller Mechanism			Z12	Crystal Earphone CE-3	1	
PI	Pinch Lever Assembly	1		Z13	Accessory Bag	2	
P2	Pinch Roller Spacer	1	İ	Z14	Desiccant	1	
Р3	Spring for Pinch Lever	1		Z15	Capstan 50 c/s	1	N10
P4	Pinch Roller A	1		Z16	// 60 c/s	1	NII
P5	// B	1		Z17	Pinch Roller (A)	1	
P6	Pinch Roller Oil Retainer	1		Z18	// (B)	1	
P7	Record Lock Lever Shaft	1	U9	Z19	Carton	1	
P8	Pinch Roller Fixture	1	٠,	Z20	Polyethylene Bag	1	
P9	Stroboscope Disc	1	K21	Z21	Cushion for Carton	1	
	Q. Reel Table Mechanism		,	Z22	Tie-up Belt	1	
Ql	Take-up Spindle Drum Assembly						

#### Screws, Washers and Miscellaneous

	Symbol No.	Description	Q'ty	Symbol No.	Description	Q'ty
Screw	B⊕3×8	Reel Panel	2	RF⊕3×6	Idler Guide Mounting Bracket	2
	// 3×6	Control Panel	2	B⊕3×6	Leg	3
	RF⊕4×12	Cabinet	4	RF⊕4×8	Head Deck	2
	// 4×8	Motor	2	B⊕4×8	"	1
	// 3×5	MP Capacitor	2	// 3×6	"	1
	// 3×5	Idler Guide	4	K⊕2×26	"	1
	// 3×8	Stepper Arm	1	$RF \oplus 4 \times 6$	Power Supply	4
	// 3×6	Idler Guide (B)	1	// 3×18	Tape Index Counter	2

	Symbol No.	Description	Q'ty		Symbol No.	Description	Q'I
	RF⊕3×6	Amplifier Chassis	4	Washer	$2\phi$ (small)	Head Deck	-
	// 3×6	Terminal Strip, 2L-5P	6		$2\phi$ (small)	Leaf Spring	1
	// 3×6	Lock Lever Guide	1		$2\phi$ (small)	Leaf Spring (Equalizer Switch)	1
	// 3×6	Wire Retainer	1		$2.6\phi$	Cabinet Feet (B)	1
99 and 4	// 3×6	Instant Stop Lever Guide	2		$2.6\phi$	Removal Hinge	1
	// 3×6	Pinch Lever	2		$3\phi$	Head Cover Holding Stud	
	// 3×6	Head Deck	7		$3\phi$	MP Capacitor	1
	" 2.6×6	//	2		$3\phi$	Stepper Arm	
			1		•	Idler Guide (B)	:
	T⊕3×12	"	i		$3\phi$	Amplifier Chassis	
	// 3×6	"			$3\phi$		
	$R \oplus 2.6 \times 5$	"	1		$3\phi$	Speaker	
İ	$RF \oplus 2 \times 4$	"	4		$3\phi$	Block Electrolytic Capacitor	
1	$T \oplus 3 \times 5$	Feed Reel Table Ass'y	1		$3\phi$	Output Transformer (T <sub>3</sub> )	
	∥ 3×5	Take-up Reel Table Ass'y	1		$3\phi$	Amp. Chassis	
	$RF \oplus 2 \times 4$	Leaf Spring	2		$3\phi$	Ventilation Net	
	// 2×4	Leaf Spring (Equalizer Switch)	2		$3\phi$	lock Holding Plate	
	K⊕2×5	Erase Head	2		$3\phi$	Speaker Baffle Board	
	$RF \oplus 3 \times 5$	Idler Spring	2		$3\phi$	Rubber Band	
	″ 3×6	Instant Stop Arm	1		$3\phi$	MIC Retaining Band	
	// 3×6	Input Jack	2		$3\phi$ (small)	Head Deck	İ
	// 3×6	AC Socket	2		$3\phi$ (small)	Instant Stop Arm	
	// 3×6	Block Electrolytic Capacitor	2		$4\phi$	Cabinet Feet	
	// 3×6	Vacuum Tube Socket	2		$6\phi$ († 0.5) $6\phi$ († 0.3)	Head Deck Head Deck	
	// 3×6	Fuse Holder	1		6φ († 0.5)	Speed Selector Ass'y	
	RF3×6	Lead Retainer	1		6φ († 0.5)	Idler Arm	
	$RF \oplus 3 \times 6$	Oscillation Transformer	2	Spring	οφ (, σ.σ.	10.0.7	
	// 2.6×6	Holding Plate Rec/PB Selector Switch	2	Washer	SW2 $\phi$	Leaf Spring	
	// 3×6	2L-5P Terminal	2		SW $2\phi$	Leaf Spring (Equalizer Switch)	
	" 3×8	Output Transformer (T <sub>3</sub> )	2		SW2.6 $\phi$	Head Deck	
	// 3×6	Vacuum Tube Socket	2		SW2.6 $\phi$	Rec/PB Selector Switch	
	// 3×6	Printed Circuit Board	2		SW3 $\phi$	MP Capacitor	
- LANGE	$RK \oplus 4 \times 18$	Handle	2		SW3 $\phi$	Idler Guide	
	B⊕3×8	Ventilation Net	4		SW3 $\phi$	Stepper Arm	
	$RK \oplus 3 \times 8$	Lock	2	i de la companya de l	SW3 <i>\phi</i>	Idler Guide (B)	
	$R \oplus 3 \times 8$	Lock Holding Plate	2	100	SW3¢	Idler Guide Mounting Bracket	
	K⊕3×16	Speaker Baffle Board	3		SW3¢	Belt Pulley Shaft	
	$R \oplus 2.6 \times 14$	Cabinet Feet (B)	2		SW3ø SW3ø	Tape Index Counter Amplifier Chassis	
	# 2.6×10	"	1	and the second	SW3φ	Terminal Strip 2L-5P	
	RK⊕2.6×8	Removal Hinge	8	1	SW3 $\phi$	Lock Lever Guide	
	$RF \oplus 4 \times 20$	Cabinet Feet	4		SW3φ	Wire Retainer	
	$R \oplus 2.1 \times 6.3$	MIC Retainer	2		SW3 $\phi$	Pinch Lever	
Wood S	D 1 1 1 2 4 3	Freutahaan (A)	4		$SW3\phi$	Head Deck	
Screw	$R \oplus 2.1 \times 6.3$ $// 2.1 \times 6.3$	Escutcheon (A) Escutcheon (B)	4		SW3 $\phi$	Idler Spring	
	″ 2.1 × 6.3 K⊕2.1 × 6.3	Speaker Baffle Board	3		SW3 $\phi$	Instant Stop Arm	
	$R \oplus 2.7 \times 7$	Plastic Part on Cabinet			SW3 $\dot{\phi}$	Block Electrolytic Capacitor	
	K 2.7 X 7	Cover	2		SW3 $\phi$	Vacuum Tube Socket	
	<pre>// 2.1 × 10</pre>	Cord Retainer	4		SW3 $\phi$	Lead Retainer	
	2.7×7	Rubber Band	2		SW3 $\phi$	Oscillation Transformer	
	$R \oplus 2.7 \times 7$	MIC Retaining Band	2		01140 /	Holding Plate	
	K⊕2.4×7	MIC Cord Retainer	2		SW3¢	2L-5P Terminal	
<b>Nail</b>	R1 × 6	Serial No. Plate	4		$SW3\phi$	Output Transformer (T <sub>3</sub> )	
itar					SW3 $\phi$ SW3 $\phi$	Vacuum Tube Socket Amp. Chassis	
Washer	$3\phi$	Instant Stop Lever Guide	2		SW4 $\phi$	Head Deck	
	$3\phi$	Head Deck	2		SW4φ	Reel Table Spindle	
Retaining		0 1 0 11	,		SW4φ	Power Supply	
Ring	E-5	Push Button	1	Nut	N2.6ø	Cabinet Feet (B)	
	E-5	ldler Arm (E)	i		$N2.6\phi$	Removal Hinge	
	E-3	Brake Block	i		N3ø	Belt Pulley Shaft	-
	L-3	Idler (A) & (B)	2		N3ø	Stepper Arm	
		Counter Pulley	ī		N3ø	Control Panel	
		Idler	2		N3ø	Speaker	
	E-5	Rec. Lock Lever	1		N3ø	Vacuum Tube Socket	
	E-5	Instant Stop Lever	1		N3ø	"	
	E-5	Head Deck	1		N3 $\phi$	Ventilation Net	
	E-5	Speed Selector Shaft	1		N3ø	lock Holding Plate	
	E-4	Cam Shaft Ass'y	1		N4¢	Reel Table Spindle	
	E-4	Rec. Lever (C)	1		N4ø	Cabinet Feet	
		Des laves (C)	1		N4¢ (large)	Recording Button	
		Rec. Lever (C)		I I	1	nocording bonon	

# Exploded Diagram

Retaining Ring

(1)

(1)

(1)

(2)

(3)

(4)

(5)

(6)

(7)

(8)

(9)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

(10)

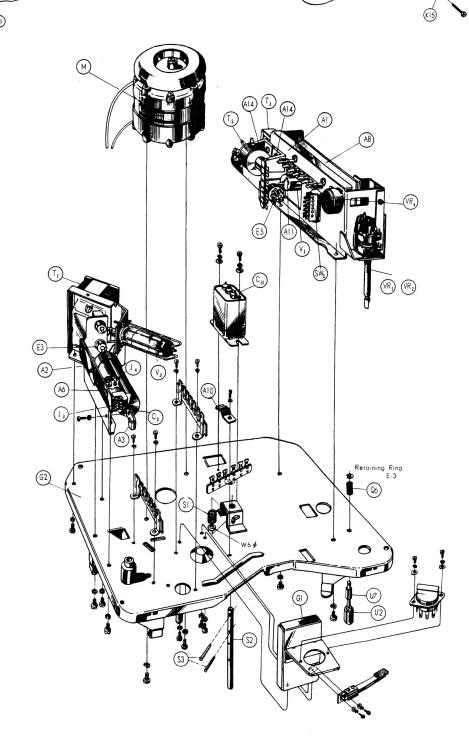
(10)

(10)

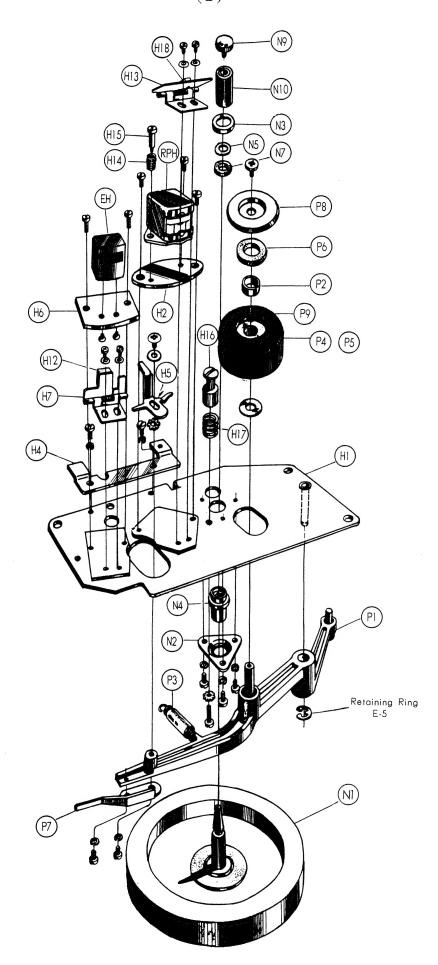
(10)

(10)

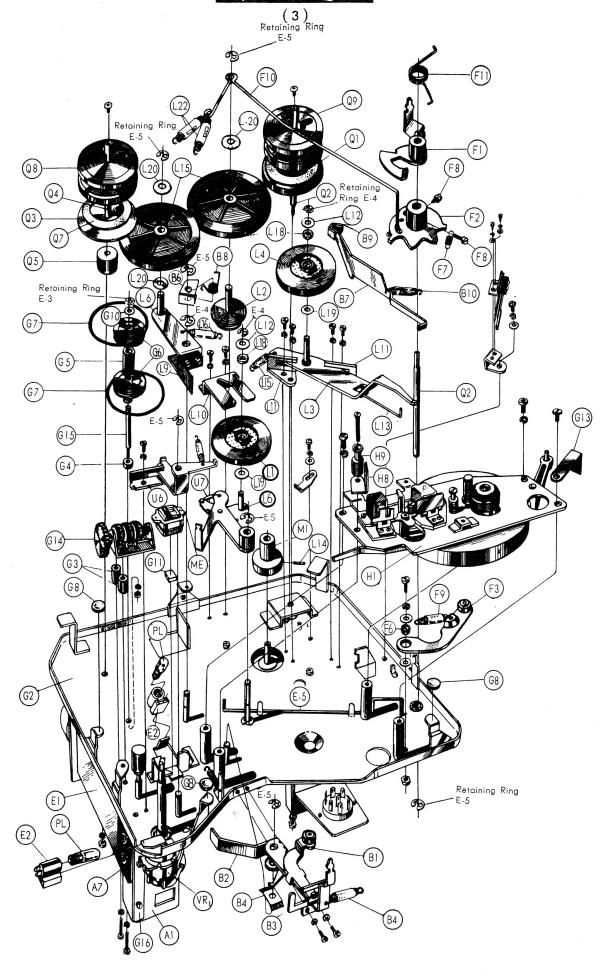
(



Exploded Diagram (2)







# SONY CORPORATION